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## Chapter 12: Printing

### CFL Internal Plotting

At CFL there are several combinations of plot drivers and pen tables for both 11x17 and 8 ½ x 11 and for both color and black and white. Listed in the tables below are the plot drivers (**.plt**), the pen tables (**.tbl**) that are automatically attached, and the output produced for each combination.

#### 11"x17" Black-and-White Sheets

**Printer:** HP5200 LaserJet printers located in design areas

**Plot driver files location:**

N:\Standards\V8\_RESOURCE\X\_30\Plotting\PrintPlot\plotdrv\plotdrv\_ad?\\*.plt

**Pen tables:** Appropriate pen table is automatically attached when the user selects the plotter driver file.

Plot Driver	Pen Table (Attached Automatically)
Description	
<b>HP5200_11x17_Landscape.plt</b>	<b>HP5200_X30.tbl</b>
Landscape orientation 11"x17". Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border.	
<b>HP5200_11x17_Portrait.plt</b>	<b>HP5200_X30.tbl</b>
Portrait orientation 11"x17". Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border.	

#### 8½ x11 Black-and-White Sheets

**Printer:** HP5200 LaserJet printers located in design areas

**Plot driver files location:**

N:\Standards\V8\_RESOURCE\X\_30\Plotting\PrintPlot\plotdrv\plotdrv\_ad?\\*.plt

**Pen tables:** Appropriate pen table is automatically attached when the user selects the plotter driver file.

Plot Driver	Pen Table (Attached Automatically)
Description	
<b>HP5200_Letter_Landscape.plt</b>	<b>HP5200_X30.tbl</b>
Landscape orientation 8 ½"x11". Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border.	
<b>HP5200_Letter_Portrait.plt</b>	<b>HP5200_X30.tbl</b>
Portrait orientation 8 ½" x11". Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border.	



## 11"x17" Color Sheets

**Printer:** CFLDesignColor (HP5550 LaserJet printer) located in plotter room.

**Plot driver files location:**

N:\Standards\V8\_RESOURCE\X\_30\Plotting\PrintPlot\plotdrv\plotdrv\_ad?\\*.plt

**Pen tables:** Appropriate pen table is automatically attached when the user selects the plotter driver file.

Plot Driver	Pen Table (Attached Automatically)
Description	
CflDesignColor_11x17_Landscape.plt	HP5550_color_X30.tbl
Landscape orientation 11"x17". Plots all elements with color shown on screen except black screen background changed to white background in plot. Adds file name/date/time stamp at lower left edge of sheet border. <b>[Orientation can be changed from Landscape to Portrait]</b>	

## Wide Format Color Plots (up to 21.306" x 33.276")

**Printer:** HP5500 DesignJet plotter located in plotter room.

**Plot driver files location:**

N:\Standards\V8\_RESOURCE\X\_30\Plotting\PrintPlot\plotdrv\Xerox\_HP5500\\*.plt

**Pen tables:** Appropriate pen table is automatically attached when the user selects the plotter driver file.

Plot Driver	Pen Table (Attached Automatically)
Description	
HP5500_X30_BW.plt	HP5500_X30.tbl
Roll plots up to 21.306"x33.276" ( <i>Exact size of Border</i> ). Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border (if any). <b>[Prints to scale when plot is maximized]</b>	
HP5500_X30_WYSIWYG.plt	Color_WYSIWYG_X30.tbl
Roll plots up to 21.306"x33.276" ( <i>Exact size of Border</i> ). Plots all elements with color shown on screen except black screen background changed to white background in plot. Adds file name/date/time stamp at lower left edge of sheet border (if any). <b>[Prints to scale when plot is maximized]</b>	

## Wide Format B/W Plots (up to 36" x 120")

**Printer:** Xerox 510 plotter located in plotter room.

**Plot driver files location:**

N:\Standards\V8\_RESOURCE\X\_30\Plotting\PrintPlot\plotdrv\Xerox\_HP5500\\*.plt

**Pen tables:** Appropriate pen table is automatically attached when the user selects the plotter driver file.

Plot Driver	Pen Table (Attached Automatically)
Description	
XEROX510.plt	XEROX510_X30.tbl
Roll plots up to 36"x120". Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border (if any). <b>Choose Papersize</b> Size: "D_Size" 21.306"x33.276" ( <i>Exact size of Border</i> ) <b>[Prints to scale when plot is maximized]</b> Size: "Oversize_X10" <b>[Prints up to 36"x120"]</b>	



## 11"x17" B/W or Color PDF Sheets

**Printer:** No Physical Printer

**Plot driver files location:**

N:\Standards\V8\_RESOURCE\X\_30\Plotting\PrintPlot\plotdrv\PDF\\*.plt

**Pen tables:** Appropriate pen table is automatically attached when the user selects the plotter driver file.

Plot Driver	Pen Table (Attached Automatically)
Description	
HP5200_11x17_Landscape_shade_pdf.plt	HP5200_X30.tbl
Landscape orientation 11"x17". Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border.	
HP5200_11x17_Portrait_shade_pdf.plt	HP5200_X30.tbl
Portrait orientation 11"x17". Fades the P&P and XS sheet grid (co=238 and/or co=160) and everything on levels E_*. All other elements are plotted with color = black. Adds file name/date/time stamp at lower left edge of sheet border.	
Color_11x17_Landscape_pdf.plt	HP5550_color_X30.tbl
Landscape orientation 11"x17". Plots all elements with color shown on screen except black screen background changed to white background in plot. Adds file name/date/time stamp at lower left edge of sheet border.	
Color_11x17_Portrait_pdf.plt	HP5550_color_X30.tbl
Portrait orientation 11"x17". Plots all elements with color shown on screen except black screen background changed to white background in plot. Adds file name/date/time stamp at lower left edge of sheet border.	

## Batch Printing

### About Batch Printing (For CFLHD employees)

Batch printing is a MicroStation utility used to print and re-print sets of drawings. Job sets are created containing the desired drawing files and a set of print specifications are created for each job set. The print specifications are defined containing information such as printer, print area, layout, and display. This chapter will detail each of the necessary settings associated with Batch Printing.

## Workflow 1: Accessing Batch Printing

To access this workflow, follow this link:

[http://www.cflhd.gov/resources/CADD/documents/Workflow\\_10.1\\_Printing\\_AccessingBatchPrinting\\_x30.pdf](http://www.cflhd.gov/resources/CADD/documents/Workflow_10.1_Printing_AccessingBatchPrinting_x30.pdf)

### Job Sets

Job Sets are lists of files to be printed, along with the associated print specifications used to print the files; such as which printer, what area to print, what scale, which pen table, etc. Each job set created will have the extension, .job.

## Workflow 2: Creating a New Job Set

To access this workflow, follow this link:

[http://www.cflhd.gov/resources/CADD/documents/Workflow\\_10.2\\_Printing\\_CreatingNewJobSet\\_x30.pdf](http://www.cflhd.gov/resources/CADD/documents/Workflow_10.2_Printing_CreatingNewJobSet_x30.pdf)



## Workflow 3: Batch Printing from a Job Set

To access this workflow, follow this link:

[http://www.cflhd.gov/resources/CADD/documents/Workflow\\_10.3\\_Printing\\_BatchPrintingfromaJobSet\\_x30.pdf](http://www.cflhd.gov/resources/CADD/documents/Workflow_10.3_Printing_BatchPrintingfromaJobSet_x30.pdf)